

REMARKS

Claims 1-7 are pending, and claims 1-6 are under examination and are rejected. Applicants have amended the claims to recite more clearly and distinctly that which they consider their invention. It is respectfully submitted that the claim amendments are adequately supported by the specification as originally filed and do not raise any issues of new matter. Entry and favorable reconsideration are respectfully requested.

Applicants submit concurrently herewith a Substitute Specification, which is believed now in proper idiomatic English. The undersigned hereby state that the Substitute Specification does not contain any new matter.

Applicants respectfully submit that all rejections of the claims under 35 U.S.C. § 112, ¶ 2 have been overcome by the above claim amendments.

The Office Action further rejected claims 1-3 as anticipated by Jin et al., and Claim 1-3 and 6 by Thieme et al., asserting that the references disclose a powder-in-tube MgB₂ superconducting wire doped with Fe. Without acquiescing to this assertion, and solely in order to expedite prosecution and allowance of this application, applicants have amended the claims. Because the references do not disclose a superconductor doped with indium, tin or lead, metals having a lower melting point than MgB₂, it is respectfully submitted that the claims as amended are not anticipated by the references cited, and are free of the prior art.

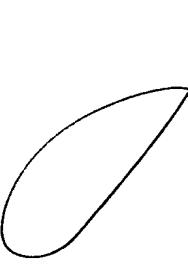
Serial No. 10/642,643
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It is respectfully submitted that all claims are now in condition for allowance, and applicants earnestly solicit an early indication to that effect from the Examiner. If there are any questions regarding this amendment or the application in general, a telephone call to the undersigned would be appreciated since this should expedite the prosecution of the application for all concerned.

If necessary to effect a timely response, this paper should be considered as a petition for an Extension of Time sufficient to effect a timely response, and please charge any deficiency in fees or credit any overpayments to Deposit Account No. 05-1323 (Docket #056203.52693US).

Respectfully submitted,

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